HTM-P Series Precision Planetary Torque Multipliers

Precision planetary torque multipliers delivering 1,000 to 2,000 N·m across 4.5:1 to 25:1 gear ratios (±4% accuracy) with anti-backlash safety, featuring alloy steel reaction arms on HTM-P52 (0.85 kg) and lightweight aluminum arms with sensor compatibility on HTM-P72 (0.66 kg).



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OUTPUT TORQUE
1,000 - 2,000 N·m (740 - 1,450 lbf·ft)

MULTIPLICATION RATIOS
4.5:1, 5:1, 22:1, and 25:1 Planetary

DRIVE INTERFACES
3/8", 1/2" & 3/4" In × 3/4" & 1" Out Square

TORQUE ACCURACY
Better than ±4% Repeatability

SAFETY MECHANISM
Integrated Anti-Backlash Safety Device

REACTION SYSTEM
Alloy Steel (HTM-P52, 0.85 kg) & Aluminum (HTM-P72, 0.66 kg)

Model	Torque Range		Ratio	Square Drive		Dimensions (mm)				Tool Wt. (kg)	Arm Wt. (kg)
	N.m	lbf.ft		Input	Output [in]	A [mm]	B [mm]	C [mm]	D [mm]		
HTM-P-52/22-01	1000	740	22:1	3/8"	3/4"	52	139	131	175	1.4	0.85
HTM-P-52/22-02	1000	740	22:1	1/2"	3/4"	52	139	131	175	1.4	0.85
HTM-P-52/22-03	1000	740	22:1	3/8"	3/4"	52	150.1	131	186.3	1.6	0.85
HTM-P-52/22-04	1000	740	22:1	1/2"	3/4"	52	150.1	131	186.3	1.6	0.85
HTM-P-52/4.5	1000	740	4.5:1	1/2"	3/4"	52	115	131	150.3	1.02	0.85
HTM-P-72/5-01	1000	740	5:1	1/2"	3/4"	72	144	165	188	2.4	0.66
HTM-P-72/5-02	1500	1100	5:1	1/2"	1"	72	144	165	188	2.4	0.66
HTM-P-72/5-03	2000	1450	5:1	3/4"	1"	72	144	165	188	2.4	0.66
HTM-P-72/25-01	1000	740	25:1	1/2"	3/4"	72	165	165	188	2.7	0.66
HTM-P-72/25-02	2000	1450	25:1	1/2"	1"	72	165	165	188	2.7	0.66
HTM-P-72/25-03	1000	740	25:1	1/2"	3/4"	72	174	165	218	3	0.66
HTM-P-72/25-04	2000	1450	25:1	1/2"	1"	72	174	165	218	3	0.66